

**APPENDIX
INDICATION OF CLAIM AMENDMENTS**

14. Spinal osteosynthesis device comprising:
at least two bone-anchoring elements; and
means for longitudinally connecting the at least
two bone-anchoring elements;
each of the at least two bone-anchoring elements
comprising:

a head shaped so as to allow grasping with a
screwing tool;

a threaded shank extending from the head, and

a tightening element which can be fitted onto
the threaded shank to immobilize an assembly comprising the
means for longitudinally connecting and a corresponding one
of said at least two bone-anchoring elements,

wherein the threaded shank has a ball end, the
head of each of the at least two bone-anchoring elements
having an opening into a recess defined by an approximately
hemispherical interior surface sized to receive the ball
~~end of the threaded shank, the head having a hemispherical~~
~~exterior surface, the interior and exterior surfaces~~
~~defining a wall therebetween, wherein the wall tapers as it~~
~~approaches the opening; and~~

wherein ~~the~~said interior surface ~~is~~and said
exterior surface are continuous throughout an entirety on a
periphery of the recess, the interior and exterior surfaces

APPENDIX
INDICATION OF CLAIM AMENDMENTS

extending beyond the periphery on a side opposite a bottom
of the recess, so as to define a continuous wall
therebetween, the wall protruding on said side opposite a
bottom of the recess, said wall extending around said ball
and in an immediate vicinity of said ball, said wall
tapering and terminating in a free edge defining the
opening having a diameter that is less than a diameter of
the ball, the bottom of the recess lying on one side of an
equator of the ball, a part of the ball around which the
free edge extends lying on an opposite side of the equator
of the ball.

**APPENDIX
INDICATION OF CLAIM AMENDMENTS**

31. Spinal osteosynthesis device comprising:
at least two bone-anchoring elements; and
means for longitudinally connecting the at least
two bone-anchoring elements;

each of the at least two bone-anchoring elements
comprising:

a head shaped so as to allow grasping with a
screwing tool, the head having an opening into a recess
defined by an approximately hemispherical interior surface;

a first threaded shank with a ball end extending
from the head, the recess of the head being sized to
receive the ball end of the first threaded shank;

a second threaded shank rigidly extending from
the head opposite the recess; and

a tightening element which can be fitted onto the
first threaded shank to immobilize an assembly comprising
the means for longitudinally connecting and a corresponding
one of said at least two bone-anchoring elements,

wherein the head has a hemispherical exterior
surface, ~~the interior, and exterior surfaces defining a~~
~~wall therebetween, wherein the wall is integral with the~~
~~second threaded shank;~~

~~wherein the wall tapers as it approaches the~~
~~opening; and~~

APPENDIX
INDICATION OF CLAIM AMENDMENTS

~~wherein the said interior surface is and said~~
exterior surface are continuous throughout an entirety on a
periphery of the recess, the interior and exterior surfaces
extending beyond the periphery on a side opposite a bottom
of the recess, so as to define a continuous wall
therebetween, the wall protruding on said side opposite a
bottom of the recess, said wall extending around said ball
and in an immediate vicinity of said ball, said wall
tapering and terminating in a free edge defining the
opening having a diameter that is less than a diameter of
the ball, the bottom of the recess lying on one side of an
equator of the ball, a part of the ball around which the
free edge extends lying on an opposite side of the equator
of the ball.